



BADGER STATE Smoke Signals



Serving Amateur Radio In Wisconsin

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Baraboo Wis.

April, 1984

Mid-Continent RY Museum to host Morse Telegraph Club

Saturday April 28th the Milwaukee-Madison (MM) Chapter of the Morse Telegraph Club will be meeting at the Mid-Continent Railway Museum at North Freedom, Wisconsin for it's annual get together honoring the birthday of Samuel F. B. Morse, the inventor of the telegraph. The purpose of the club is to perpetuate the memory of the inventor of the first practical means of electronic communication and a chance for former telegraphers to once again "get on the wire." Through the generosity of Western Union and all the various telephone companies involved, a nationwide "round robin" is set up and the members can talk to most of the major cities in the U.S. and parts of Canada. The membership of this club is open to anyone who has ever worked a morse wire, or has been a CW radio operator. All Hams are welcome to come and participate in the activities and for some I am sure this will be the first time they have ever seen or heard a "live" telegraph wire.

Mid-Continent will not be operating trains until May 15 but there is a lot of equipment to see there. If you once see it I am sure you will want to come back in the summer and take a ride on one of their fine old turn of the century steam trains. There will be a cook out so bring some food and join in. If you so choose, the fine Railroad Cafe in North Freedom will be open. We will probably also have a 2 meter demonstration of telegraph by tone modulation and converters to a "Morse Telegraph Sounder."

C U at "NF" April 28
Bob King, KA9BNY
411 Lynn Ave.
Baraboo, Wisconsin 53913

WE GET LETTERS

We had not heard from our good friend Vrah for for almost a year and were pleased to receive the following letter from him just in time to include in this issue of Badger State Smoke Signals.

Der Jim:

Lots of new devices are being developed here in the labratory since our last correspondence. One that will be of intrest to a great number of the Amateur farternity is our subject for this month and should be on the market by April 1st.

As you know, todays new trapsceivers, with all the bells, whistles and micro-processors, leave little for the ham operator to do but push buttons and operate, or if it fails, send it back to the factory for any repairs, including panel lamp replacement.

Since most hams now have computers, we have developed an interface which can be connected to the accessory socket on most of the present day rigs, which will, in case of trouble, spell out where the fault lies, for instance, programming in the make and model number of the gear, it will automatically identify all circuit components and on the screen, or print out, will identify things such as "replace leaky C52, or open R125," with this information most extra class Amateurs should be able to repair their own equipment. This of course is assumong that the unit being repaired is Japanese, we may someday produce a program for equipment made elsewhere if the volume warrants it.

Our greatest problem has been with I.C.'s, 14 pin chips lead to a possible 196 pinout varaitions, which is greater than the problem that exsisted with vacuum tubes with it's 12 pin hodge-podge. As soon as a production sample is available, one will be sent to you via S.P.U.

37 SE DUG XD
Vrah Renah, J8XGN+1

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SWAPFESTS AND OTHER SOCIAL EVENTS

The Madison Area Repeater Association will hold their 12th annual Madison Swapfest on Sunday April 8, 1984 at the Dane County Expo Center, Forum Building in Madison, Wisconsin. Doors open at 9:00 A.M. Sellers and exhibitors admitted at 8:00 A.M. All you can eat pancake breakfast and a beef bar-b-que luncheon. Admission \$2.50 advance -- \$3.00 at the door. Tables \$4.00 advance -- \$5.00 at the door. We urge you to carpool as the county charges a parking fee! Flyer with map is enclosed with this issue.

THE DAYTON HAMVENTION: April 27 to 29. This annual event is the world's largest Amateur Radio Convention. For information write Dayton Hamvention, P.O. Box 44, Dayton, Ohio 45401.

The Ozaukee Radio Club presents its sixth annual Swapfest Saturday, May 5, 1984 at Circle B Recreation Center -- intersection of hwy 60 and county 1, Cedarburg, Wisconsin. Advance registration \$2.00 (\$3.00 at the door). Tables: 8 foot \$3.00, 6 foot \$2.00 (limited availability). Table reservations must have admission ticket. Ozaukee Radio Club, PO Box 13, Port Washington, Wisconsin 53074.

The MANCORAD Spring Banquet is being held at Machut's Supper Club in Two Rivers on Saturday night, May 19, 1984. For reservations contact Roger Beyer, W9NPX, 2213 - 9th Place, Two Rivers, WI 54241.

The Central Wisconsin Radio Amateurs will hold their Swapfest/Picnic on Sunday, June 3, 1984 at Bukholt Park in Stevens Point, WI.

The Starved Rock Radio Club will hold their annual Hamfest on Sunday June 3, 1984 at the Bureau County Fairgrounds in Princeton, Illinois. Registration: \$2.50 before May 20 or \$3.00 at the gate. Starved Rock Radio Club, R.F.D. No. 1, Oglesby, Illinois 61348

The Six Meter Club of Chicago, Inc will hold their 27th Annual Hamfest on Sunday, June 10, 1984 at Santa Fe Park, 91st and Wolf Rd., Willow Springs, Illinois -- southwest of Chicago. Advance registration \$2.00 or \$3.00 at the door. Val Hellwig, K9ZVW, 3420 South 60th Court., Cicero, Illinois 60650.

The South Milwaukee ARC Swapfest will be Saturday, July 7, 1984 at The American Legion Park on Shepard Ave. in Oak Creek, Wisconsin. For information contact The South Milwaukee ARC, P.O. Box 102, South Milwaukee, WI 53172.

The Lake Shore Swapfest and Public Brat Fry will be Saturday, July 14 at The Wilson Town Hall in Sheboygan, Wisconsin. Free Tables. Registration: Advance \$2.50 (by June 30), \$3.00 at the door. For information write P.O. Box 895, Sheboygan, WI 53081. or call (414) 457-3203.

The Eau Claire Amateur Radio Club will hold its annual Hamfest on Saturday, July 14, 1984, at the 4-H buildings in Eau Claire from 8 A.M. to 4 P.M. Talk-in on 31/91 and 52 simplex. Free tables & coffee. Tickets \$2.00 in advance, \$3.00 at door. For info, tickets, send SASE to Gene Lieberg, KA9DWH, 2840 Saturn Ave., Eau Claire, WI 54703.

Hamfesters Radio Club will hold their 50th annual Hamfest on Sunday, August 12, 1984 at Santa Fe Park, 91st and Wolf Rd., Willow Springs -- Near Chicago. Advance reservations \$3.00 or \$4.00 at the door. Hamfesters Radio Club, Inc., P.O. Box No. 42792, Chicago, Illinois 60642.

The Illinois State A.R.R.L. Convention will be held on Sunday, August 26, 1984 at the Kane County Fairgrounds Exhibition Hall in St. Charles, Illinois. Admission: \$2.00 advance or \$3.00 at the gate. SASE to Jerry Friedes, W9ZGP, 1501 Molitor Road, Aurora, IL 60505. Commercial and Flea Market: George R. Isely, WD9GIG, 736 Fellows St., St. Charles, IL 60174.

Radio Expo 84 will be held September 22nd and 23rd at the Lake County Fairgrounds, (halfway between Milwaukee and Chicago) Rts. 45 and 120, Grayslake, IL. \$4.00 for both days, \$3.00 in advance. Radio Expo, Box 1532, Evanston, Illinois.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to K9EN. In addition, space is available at attractive rates on our advertising pages and/or we can include your flyers. For information on rates and requirements please contact K9ZZ or K9EN.

Anybody who corrects all their mistakes is probably writing their autobiography.

--anon. newsletter editor

CLUB MEETINGS:Kettle Moraine Radio Club:

All meetings are held on the SECOND Friday (2nd) of each month.

Madison Area Repeater Association

Swapfest April 8, 1984. Details elsewhere.
Next meeting will be September 10, 1984.

Milwaukee Radio Amateurs Club:

All regular meetings of MRAC are scheduled for 1984 at Wauwatosa Savings and Loan Building, 7500 West State Street, will be held on the second Thursday of the month. Apr. 12, May 10, Jun. 14, Sep. 13, Oct. 11 and Nov. 8.

The April 12th meeting will have a program by Kathy Preston, co-owner of the BYTE SHOP. Kathy will discuss microcomputers, how they work and what to do and what not to do. An interesting evening to be sure.

West Allis Radio Amateurs Club

Regular meetings are held on the second Tuesday of each month at St. Francis Savings, 9330 W. Greenfield Ave., at 8:00 P.M.

The Wisconsin Nets Association

Delegates meeting June 9, 1984 at QTH of WB9ESM in Manitowoc.

The Wisconsin Valley Radio Association (Wausau)

holds regular monthly meetings on the first Tuesday of the month at 7:30 p.m. The location varies, but information is available on the 146.04/64 repeater in Wausau.

Yellow Thunder Amateur Radio Club: (Baraboo, WI)

All regular meetings of YTARC are held in room 34 of the Baraboo Civic Center. Apr. 12, May 14, Jun. 12, Jul. 11, Aug. 16, Sep. 17, Oct. 16, Nov. 14, Dec. 13.

Let us know of your club meeting dates and we will let others know of your meetings and activities. There may be Amateurs in your area interested in joining your club or members of other clubs interested in making an interclub visit.

MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS
Oh what the heck -- a few items of interest:

Milwaukee Radio Amateurs Club
HAMATEUR CHATTER

WISN RADIO 1150 now carries some spots for MRAC. With the voice of Don Froelich, WISN Director of Public Affairs, they are aired on the Frank Sinatra show at 8:30 AM on Sundays.

February was indeed a sad month and we must report the passing of our fellow club members, former members and friends:

Burbank Murray, WD9DYF, February 2, 1984
Arthur Templeman, WD9ARC, February 13, 1984
D. Wesley Correll, W9FY, February 21, 1984
Grant Fitch, W9DZE, February 21, 1984

Coming Attractions: April 12th meeting - An up-to-date talk on computers and at noon May 5th, our annual dinner at Heidel's plus prizes, please reserve the date.

FIELD DAY Chairman is again the indomitable Pat Hoppe, KA9OIZ. He and your club need your support in this important test.

MRAC annual picnic will be Sunday July 22, 1984.

Four Lakes Amateur Radio Club
THE FEEDLINE

KC9XH's better half, Rita, passed her novice exam on Feb. 15 and has a station consisting of the CW half of an ICOM-751. CONGRATS RITA

There is a firefighter's net for all present and past firefighters on 21.355 MHz daily at 2100 UTC. KDBYK and N6AXQ officiate. There are no dues, simply check in and chat.

Green Fox Amateur Radio Club (Green Lake)
FOXTALES

Al, N9EDV has a "new" transmatch to help him realize his expanded privileges.

Steve, WB9ZRE is building a new shack in his home with more room featuring a 10 foot table for gear.

Central Wisconsin Radio Amateurs Ltd. (Stevens Point)
HATTS SNOO

Dean Goulet, KA9RFD has his Novice license. Dean is working for his General ticket now.

Rick Scholl, N9EJD, formerly KA9QLU, has his Tech license and a new call. Rick is also working for his General Ticket.

Father John Swing, K7TBT is sporting an Extra Class license. He will not be changing his call.

West Allis Radio Amateurs Club
HANTRIX

WARAC welcomes Fr. Timothy Gericke, WA9SLZ, as a new honorary member of the club. Fr. Tim presented an extremely interesting program at our February meeting on his travels to India, Nepal and Europe. He was presented with an Honorary Membership certificate at the meeting. We hope to see more of Fr. Tim and talk with him on the air.

Madison Area Repeater Association

The Madison Central YMCA is again holding their annual Triathlon this year on Sunday July 8 starting at 7:00AM and they are asking for volunteer communications operators to assist them. This is not a strictly MARRA event and all area hams are welcome to participate.

Swapfest notes... (April 8) MARRA members able to help out at the Swapfest are urged to do so. Helping out at the Swapfest is fun. No special training is necessary so why not give it a try. Contact Tom, W9KE for assignment.

Flambeau Amateur Radio Club FLANBEAU AMATEUR RADIO CLUB NEWS

KA9HPQ now bears the callsign KZ9V after a long wait. He says that the new call works well on cw.

KA9NPD has upgraded to the Extra Class and is awaiting a new call. Congratulations Ray.

KA9EOJ also has upgraded. He passed his Advanced Class test at St. Paul in early February. Nice going Greg.

KQ9J will be getting married June 30.

Sheboygan County Amateur Radio Club, Inc. NEWSLETTER

W9MYG has done it again. Marv won the activity award last month with a total of 110 points. Don't forget to bring your log along to the March meeting.

CQ WW 160 Meter SSB contest: KE9A wound up operating this one from home and not WPLY. A quarter wave sloper was put up about 2 weeks before the contest and it works like a 160 meter buffs dream not to mention being on a small lot.

ARRL DX SSB contest: The crew got together again at K9GM's and finished up with around 1060 QSO's and just short of 300 multipliers.

Our thanks to the above mentioned clubs and their bulletins for the information presented. Badger State Smoke Signals will be pleased to exchange bulletins and information with your club. Please contact K9ZZ or K9EN.

From THE ARRL LETTER

We (ARRL) are now shipping copies of version two of "Amateur Radio's Newest Frontier." If you want to borrow a copy, contact the ARRL film Library and ask for VHS or U-Matic format. Remember, you can also purchase your own copy. Send \$25 for the VHS or \$35 for the U-Matic to Publication Sales, ARRL Hq., 225 Main St., Newington, CT 06111.

The DX Advisory Committee (DXAC) and the Awards Committee continue to cooperate closely on a number of administrative matters, the latest being a clear-cut definition of the Spratly listing. The March 1 WIAW DX bulletin announces that the ISICK operation conducted from a Philippine-held island in the Spratlys last year will count for credit. One fallout from this troubled area could be that, since it will be relatively easy for DU stations to operate safely from islands they occupy, the temptation to repeat the tragedy of last year will be reduced. Other subjects under mutual discussion include: accreditation criteria, country criteria, and additional endorsable awards.

Call sign assignment reform is taking place in Russia. It's too complicated to cover here, but suffice it to say that it makes the U.S. system seem lovable. This subject, as well as little "snacks" on Amateur Radio in Russia, will be covered in USSR Tidbits, Number 20, published by Tom Frenaye, K1KI. Write to Tom (Box 62, Unionville, CT 06085) for more information. Please enclose an s.a.s.e. with your inquiry.

The FCC has released a new Amateur Radio license study guide. These new syllabi should be used in preparing for Amateur exams, since they follow the actual tests fairly closely. The major differences are that now there are questions on the rules and regulations dealing with Amateur test administration on the Advanced and Extra class exams. This new study guide (FCC PR Bulletin 1035) will be in April's QST.

The last call sign in each group to be assigned in the ninth district as of the first of March 1984 is:

Group A	Amateur Extra	NA9H
Group B	Advanced	KD9HE
Group C	Technician/General	N9EKU
Group D	Novice	KA9RKX

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with Headquarters in Washington, D.C. plans to award fifteen (15) scholarships for the academic year 1984-85. The Foundation, composed of fifty local area Amateur Radio clubs, fully funds two of these scholarships from the proceeds of its annual Hamfest. It administers without cost to the donors, three scholarships for the Quarter Century Wireless Association, two for the Dade (FL) Radio Club, and one each for the Radio Club of America, the Richard G. Chichester Memorial, the Young Ladies' Radio League, the Edmund B. Redington Memorial, the Amateur Radio News Service, the Columbia (MD) Amateur Radio Association, the Baltimore (MD) Amateur Radio Club and the Lewis G. Wilkinson Memorial.

Licensed Radio Amateurs may compete for one or more of these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled or have been accepted for enrollment in an accredited university, college or technical school. Most of the scholarships require the applicant to hold at least an FCC General Class license or equivalent. The scholarship awards range from \$350 to \$900 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs.

Additional information and an application form can be requested by letter or QSL/postcard, postmarked prior to May 31, 1984, from:

F A R Scholarships
6903 Rhode Island Avenue
College Park, Maryland 20740

The foundation is devoted exclusively to promoting the interests of Amateur Radio and to those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

Editors note: Several of the above scholarships have preference given to residents of the ninth call area.

From WESTLINK REPORT

FROM NO CODE TO ALL CODE

Wayne Green, W2NSD, has requested a Part 97 Rules Change to make biennial retesting of Morse Code proficiency mandatory. The Publisher of 73 Magazine also requests that hams be required to increase their code ability to 35 WPM by a factor of a 5 WPM increase each testing period.

The Commission, in confirming receipt of the request, said that Green proposes that those who fail one of these tests be allowed 60 days to demonstrate the needed ability or turn in his license.

In his petition, Green cites the overwhelming opposition to a No Code Amateur license, plus the statements of many Amateurs in their commentaries on the matter that the code is essential for the US Amateur Service. The request contains no "grandfathering" clause, and the proposal is expected to receive a proposed Rule Making Number shortly.

THE UoSAT-2 IS IN ORBIT. The experimental satellite was successfully launched on Thursday, March 1st, as a secondary payload from the Western Missile Test Range at Vandenberg Air Force Base in California. UoSAT-2, formerly the UoSAT-B, was carried into orbit by a modified United States Delta 3290 booster. The primary payload was the Landsat-D satellite, and both birds were successfully injected into orbit.

ARRL BULLETIN NR 2 FROM ARRL HEADQUARTERS
NEWINGTON CT JANUARY 26, 1984

TO ALL RADIO AMATEURS

The FCC has amended its rules to provide more of the Amateur frequencies for the Radio Amateur Civil Emergency Service, RACES. New segments for RACES on 2 meters are 144.5 to 145.71 and 146 to 148 MHz. New HF RACES segments are 3930 to 3980 kHz, 7079 to 7097 kHz, 14331 to 14350 kHz, 21228 to 21267 kHz, and 29237 to 29273 kHz. On UHF, the bands 420 to 450, 1240 to 1300 MHz, and 2390 to 2450 MHz are newly authorized for RACES subject to the usual restrictions that apply to those bands and new restrictions on 420 to 430 MHz near the Canadian Border. Details will appear in March QST AR

BOOKS: FRANK TALK
220 MHz FM for the Radio Amateur

By Julian N. Jablin, W9IWI
Published by TAB Books Inc.
192 pages (paperback) \$9.95

As the title clearly indicates, this book is a guide to FM communications on the 220 MHz band. The introduction asks the question, "Why 220?" then provides an answer, a bit of history, and a comparison with other vhf and uhf bands. The twelve chapters that follow provide basis information on transceivers, antennas, power supplies, mobile installations, test equipment, and repeaters. The key word here is basic.

This book will not tell you how to repair your mobile transceiver; it will give you several hints on how to make your mobile installation dependable and noise free. Reading the chapters on repeaters won't enable you to design and build your own repeater. However, they will give you a better understanding of what is involved in building a repeater and keeping it working.

The only shortcoming of this book (even though it has a 1981 copyright date) is that some of the equipment described in chapter 1 is no longer available from the manufacturers.

John Frank WB9TQG

DR. AND MRS DUTCHROLL CAUGHT IN GRENADA INVASION
From The GEARVAKf Bulletin

Dr. and Mrs. Phugoid G. Dutchroll, of the GEARVAKf Committee on Aviation, were on a flying vacation in the Caribbean when the great war of Grenada broke out and were nearly lost in the fighting, says a special report from that small island nation. The two had left the GEARVAKf Airport in their single-engine Luscombe three days earlier.

By sheer coincidence, they were approaching the Grenada International Airport when the fighting started. Dr. Dutchroll had hoped to establish a DX-pedition station on the island for a couple of weeks. As the Luscombe touched down on the runway, "all hell broke loose," said a shaken Dr. Dutchroll, later The airplane was hit by ground fire and groundlooped out of control into a Cuban ammunition dump. Dr. and Mrs. Dutchroll were forced by the fighting to remain with the plane until rescued two days later by U.S. Army Rangers.

The couple was flown back to GEARVAKf Headquarters on an Air Force C-130 cargo plane on Thursday for medical treatment. Dr. and Mrs. Dutchroll are now confined to the GEARVAKf Mobile Automatic Surgical Hospital (GEARMASH) where they will remain until they regain the power of normal speech and control of their normal daily bodily functions.

GEARVAKf OFFERS EQUIPMENT TO HAM IN SPACE
From The GEARVAKf Bulletin

The GEARVAKf Committee on Technical Operations was turned down when it offered equipment for Dr. Owen Garriott to carry along on the Columbia STS-9 Spacelab mission November 28. NASA and Garriott preferred to use communications equipment provided by Motorola Wireless company rather than the special GEARVAKf Communications package developed for them by Dr. Thornton Q. Backspace of the Technical Operations Committee.

The vastly superior GEARVAKf package consisted of two (2) Harvey-Wells TBS-50 Bandmaster deluxe transmitters, complete with ac power supplies and VFOs, and two (2) matching RME-43 receivers equipped with transmit/receive switches and vhf converters. As most hams know, the Harvey-Wells TBS-50 was one of the first truly all-band transmitters, with capability from 160 meters through 2 meters using a single 807 final tube.

The Committee had hoped that NASA and Dr. Garriott would use the GEARVAKf offering because it promised to make more contacts possible, what with the all-band capability and all. When asked why the GEARVAKf equipment package was turned down for the flight, a NASA spokesman told the GEARVAKf Bulletin, "Well, we already had deal going for the VHF gear, and besides, you know how hard it is to separate a true ham from the handie-talkie on his belt." "Then again," the spokesman continued, "no way did NASA want anything GEARVAKf even remotely associated with the flight."

To clarify the controversy, the Bulletin attempted to contact Dr. Garriott, WSLFL, himself—but reportedly he just laughed, "hi hi," and returned to his spacelab. In justification of its original offer, the Committee cited the relatively few HF DX contacts made by WSLFL during the flight, and the complete lack of "good old ragchew" QSOs.

WISCONSIN NETS ASSOCIATION LTD.WISCONSIN NETS

NET	WNA	FREQ	UTC	LOCAL CDT	MANAGER
BWN	YES	3984	1100Z	0600	WD9IID
BEN	YES	3985	1700Z	1200	WB9ESM
WSBN	YES	3985	2230Z	1730	K9ANV
WNN	YES	3723	2300Z	1800	KA9OBP
WSSN	YES	3645	2330Z	1830	KC9CJ
WIN-E	YES	3662	0000Z	1900	W9YCV
WIN-L	YES	3662	0300Z	2200	K9LGS
XPO	NO	3925	1731Z	1231	WA9YVC
NWTN	YES	.34/.94	2330Z	1830	N9BDL
GR.BAY	NO	.72/.12	THU 0145Z	2045 WED	WB9NRK
WCWTN	YES	.31/.91	2330Z	1830	KC9VM

A few items from the minutes of the on-the air March 3 meeting of the WNA Delegates.

K9UTQ-STM: Nets doing very well with a few vacancies for net control.

WD9II-BWN: Still looking for stations in SW and W Central Wis.

WB9ESM-BEN: 30% increase over January with 688 check-ins, 385 traffic offered, 319 cleared.

K9ANV-WSBN: Excellent Dec., over 500 traffic. A little lull in Jan. but Feb. picked up.

N9BDL-NWTN: Last 3 months check-ins and total time down. Traffic is up.

KA9OBP-WNN: Check-ins since Dec. are up and traffic cleared is increasing.

KC9VM-WCWTN: KC9VM is new net manager. Net is working to improve liason with other nets.

W9YCV-WIN-e: All NCS and 9RN reps filled, but could use alternates.

K9LGS-WIN-l: Alive and well on 3662 at 10 pm. Appreciate those filling for NCS.

KC9CJ-WSSN: Check-ins down 2.5% with traffic passed up 6%. I will make a presentation at your club meeting if you wish.

K9FHI-SM: SAR, PSHR and N.M. reports for May are to go to K9UTQ. Picnic will be at North Woods County Park. New Affiliated Club Coordinator is AE9K.

General comments:

Jan. 1985 is the 25th anniversary of the WNA. Looking for ideas for an on-the-air event.

Thanks to K9FHI for the fine job the last 10 years as SCM/SM. He's a good one, a great one, very effective and efficient and hard to replace. We tip our hats to a guy who's done a great job for the section.

WANT TO PLAY CHESS by Amateur Radio? Contact "Chess & Amateur Radio", P.O. 682, Cologne NJ 98213.

INTRODUCING YOUR WISCONSIN AFFILIATED CLUB COORDINATOR

In February, the Wisconsin Section of the ARRL welcomed Brian Cieslak, AE9K, as the new Affiliated Club Coordinator (ACC). He replaces the outgoing ACC, Dave Knaus, WA9POV.

Brian has been a licensed Amateur since his high school days back in 1971 and received his Extra Class ticket in 1978. He is presently the Secretary-Treasurer of the W/K ARC of Greater Milwaukee, as well as the editor of their newsletter, *THE DUPE SHEET*.

The chief responsibility of the ACC is to encourage and assist Affiliated Clubs in becoming Special Service Clubs in the ARRL Field Organization. Brian's plans are a little more extensive, and he outlines them as follows:

- 1) Continue the Special Service Program as described by the ARRL.
- 2) Assist groups of Amateurs in establishing radio clubs in their communities.
- 3) Encourage and assist unaffiliated clubs in becoming affiliated clubs.
- 4) Provide assistance to and act as a liaison between Affiliated Clubs and the ARRL.
- 5) Coordinate efforts, ideas, and resources of Wisconsin clubs in order to bring the clubs closer together.

Brian intends to start a newsletter to which every Wisconsin club can contribute article describing club projects, goals, achievements, ideas, etc. He is also planning to put together a pool of speakers that would be willing to give talks and demonstrations on various subjects to Amateur Radio groups (and maybe non-ham groups). Volunteers should contact him as soon as they have a program put together.

Brian asks the following favors from Wisconsin clubs in order that he may begin performing his duties on the right track:

- 1) Add him to your newsletter mailing list, so he can keep track of your club's activities.
- 2) Send in informational flyer or letter describing your club's history and purpose. The ARRL refers would-be Amateurs and new Amateurs to the ACC when they ask about local clubs.
- 3) Send comments on what you would like to expect from your ACC, Section Officers, or the ARRL regarding services to your club.

You can contact your Wisconsin Affiliated Club Coordinator by Mail:

Brian Cieslak, AE9K
564 W18549 Topaz Dr.
Muskego, Wisconsin 53150

He can also be usually found on the various nets in Wisconsin or on the 146.31/91 repeater in Milwaukee for about an hour after supper.

Why Join ARRL From STATE of the ARTS

I've been asked to write a little something about why you should be an ARRL member. Apparently enthusiasm for ARRL is dragging a bit! Well, that's not uncommon. Many Hams around the country feel \$25 a year for QST is too much and so they drop their ARRL membership. Others remember that at some time in the past, some ARRL policy upset them; so they refuse to join. Still others simply ask, "What has ARRL done for me?"

Well . . . those of you who belong to the 1st and 3rd groups should read on; those who bear old grudges can skip along to the next article because I'm sure I'll never change your mind (and I'm not sure I'd care to).

Without going into a history lesson, let me say that since its founding early in this century, ARRL has been in the forefront of the fight to expand and preserve the Amateur Radio service. ARRL has the ear of those groups in Washington which decide what privileges you are given. Remember . . . your "right" to operate a Ham Radio is not a "right" . . . it is a *privilege*, given to you by your government and governments of the world. Just as easily as they gave you that privilege, they can take it away from you; that is why the ARRL was so heavily involved in preparation for the 1979 World Administrative Radio Conference (WARC). They spent a lot of member money supporting FCC and other regulatory bodies to make sure Ham Radio didn't get the "shaft" at the World Conference! And that effort paid off. Amateur Radio was amongst the most prepared services at the Conference. Groups like ARRL from all over the world prepared their government negotiators. The result? Instead of losing bands as some predicted (like good ole Never Say Die), we gained three bands for our ultimate use!

More recently, FCC almost gave it to the two-meter operators of the country with their "no-code" proposal. Where do you suppose the majority of those no-coders would have settled down to operate? Twenty meters? Hardly! If you think the repeaters of America are crowded now, imagine what they could have been if no-code had been implemented.

It was the organized resistance of the ARRL which played an important role in killing no-code once and for all (hopefully!). While the equipment manufacturers and the various Ham Radio publishers and the like were touting no-code as the saviour of their business, ARRL members took a stand and helped defeat it. ARRL didn't do it alone; plenty of non-ARRL members did their part, too, but it is the ARRL to who the FCC looks and listens intently.

Why do you suppose that is? Because ARRL is not the building in Newington . . . it is not the WIAW station, and it is definitely NOT QST! FCC understands that ARRL is the 140,000-plus Amateurs in the U.S.A. and Canada who are speaking. FCC knows this; why don't you?

I can go on and on about ARRL and how it serves you. I haven't mentioned the limited legal aid available if you end up in a zoning or antenna height battle. I haven't mentioned the WIAW bulletin and code practice transmissions (free to anyone with a receiver).

The publishing part of ARRL is the business end of the organization. The purpose of that business is to serve it members.

ARRL is an organization of Amateurs. ARRL responds to its members and tries to serve them, keeping in mind that its members area a diverse lot . . . from contesters and DX'ers to OSCAR satellite users and two-meter FM'ers.

What has ARRL done for you lately? Plenty! All you have to do is keep your mind, your eyes and ears open, and you'll see ample evidence that your \$25 per year dues are well worth it.

And if you think the battles are all over, remember that some countries are now pushing to hold a WARC '90, and again . . . Ham Radio frequencies are on their hit list!

Are Wayne Green, Dick Bash and the equipment manufacturers going to spend their money and time protecting Amateur Radio and supporting FCC? Sure they will!

ARRL and its members will do it as they have since forming this organization. non-members will continue to benefit from the people who send their dues in every year; life is cruel! But you could join ARRL and add your voice to that of your friends.

Think about it and the next time someone asks what ARRL did for you lately, tell them. And while you're at it, join up! Your local club treasury can keep \$2 of your \$25 if you join through your affiliated club. That would be a neat boost if everyone joined.

Ron, K9TUG

ARRL's Affiliated Club Co-ordinator
for Indiana

NO-CODE - One final Act From Dayton ARA

This last year, some 5,000 Amateurs took pen in hand and wrote to the Commission explaining why "no code" was a bad idea. The comments were 20 to 1 against implementing a no-code license. The Commission in closing the docket commented that the quantity and quality of the replies received from the Amateur community had a large impact on the final decision to reject the proposal.

Considering the atmosphere two years ago, this is a great victory for Amateur Radio.

In appreciation of the support we received, wouldn't it be a great idea if every ham sent a QSL card to both Foosaner and Fowler with a simple 'Thank You for your support'?

How about it? Two minutes, 2 cards, and 25¢ to let them know we appreciate their efforts and decision.

It should make a great impression and show them once and for all we are not just a bunch of complainers!

Here are the addresses:

Chairman Mark Fowler
Federal Communications Commission
Washington, D.C. 20554

Mr. Robert Foosaner
Chief, Private Radio Bureau
Federal Communications Commission
Washington, D.C. 20554

YELLOW THUNDER AMATEUR RADIO CLUB

The March meeting of the Yellow Thunder ARC was held in Room 34 of the Baraboo Civic Center. The meeting was called to order at 7:35 pm by Vice-President Duane Grotophorst, KA9HKL. (President Art Kleefisch, W9WSS was out of town.)

The following members were present:

Ken Ebnetter, K9EN	Portage
Duane Grotophorst, KA9HKL	Sauk City
Bill Hommell, KA9QFJ	Baraboo
Bob King, KA9GNY	Baraboo
Harry Mayland, K9FFT	Baraboo
Jim Decker, WB9UQT	Baraboo
Harold Reif	Baraboo
Paul Amend, KA9OBP	Portage
Ken Johnson, K9DZG	Mazomanie

Also present as a visitor was Ted Meyer, N9BXY, Baraboo

The minutes of the previous meeting were approved as printed in BSSS. The Treasurers report was read and accepted. (Current balance in all accounts, 255.67).

Communications and announcements: Reports read from ARRL, Westlink and others. Several exchange newsletters were available for viewing. Letter from Circus World Museum was read by Jim Decker asking for help with parade communications.

Old Business: Additional discussion was held to obtain ideas for future programs. Among the items mentioned were Spectrum analyzers, Wattmeters, power measurement, Wisconsin Power and Light, and satellites.

New Business: None.

The door prize was \$2.00. John Hansel, WB9TIG was drawn, but since he was not present to win, the April meeting door prize will be \$3.00.

The meeting was adjourned by Vice President KA9HKL at 8:25 pm.

Following the meeting an excellent program was presented by Ted Meyer, N9BXY/AAT5QA. Ted spoke on the Army MARS program, what its requirements are, what the Amateur can offer to the program, and the benefits that an Amateur can receive from Army MARS. Following Ted's excellent presentation he answered several questions about MARS from the audience. Ted also passed out some literature on Army MARS and offered those interested membership applications (DD-630). Perhaps we will be hearing some more Army MARS calls in the area soon.

The April meeting of the Yellow Thunder Amateur Radio Club will be held on Thursday, April 12, 1984 at 7:30 pm in room 34 of the Baraboo Civic Center. The program for the meeting will be on transmitter power output measurement, FCC rules regarding power output, methods of measurement and VSWR measurement and effect.

Driving as if you were late for a dental appointment is a good safe speed.

The person wearing a smile is always well dressed.

The annual March of Dimes Walkathon for the Baraboo area is scheduled for Sunday, April 28, 1984.

YTARC has again been asked for communications support.

Spend a mid-spring day using your hobby to support the fight against birth defects...

If you can help with communications, call Jim Decker, WB9UQT, Box 337, Baraboo, Wisconsin 53912-0337. Telephone (608) 356-5376. Try 28/88 in the evening.

What a Bash!

The 1984 Wisconsin QSO Party...

The old saying sez "Ya Gotta advertise if you wanna get results" ...or something like that. From the way 80, 40 and 20 meters sounded on March 11 and 12, for the duration of the 1984 edition of the Wisconsin QSO Party, one might think that the sponsoring West Allis Radio Amateur Club had bought prime time on CBS, NBC, ABC, along with full-page ads in QST, CQ and Ham Radio magazines.

At times, the pack looking for party QSOs was over 40 kHz wide. Participation was probably the best it has ever been, and, with the greater participation come much higher scores indeed. My own humble effort last year put me in the top ten (10th) with a score of just over 27K. This year, I had no difficulty in a raw score of 42K. But, from the aftermath on the air after the party, I'll be indeed lucky if I show in the top ten this time!

Quite a few raw totals over 40K have been heard, with some above 50K and one great effort discussed shows a raw of well over 75K!

Last year's party featured a spirited battle for high club aggregate score between the W/K Contest Club centered in Milwaukee, and the Badger Amateur Radio Society, headquartered at the University of Wisconsin in Madison (club call W9YT.) In 1983, the W/K group out-tallied BARS by around 10K. This year, many members of both clubs were heard and worked, and it should be interesting indeed to see the results when released by West Allis RAC in June or July.

This year featured a spectacular multiop/multi transmitter mobile effort by W9EZ/mobile. The group operated mobile-in-motion with four stations simultaneously, and had a full gallon cooking on 75 meter ssb. I worked them nine times in eight different counties as they journeyed north from the Milwaukee area to north of Lake Winnebago, then roughly southwest. Last time I worked them, they were in Marquette county, with our final QSO on 146.52 Fun Mode. We will be asking them for pix, and hope to run one or two here in BSSS. Their score, with the bonus points allowed, should be interesting indeed. Thanks to them for making the party more interesting!

Dick Klein, K4GKD, (ex-K9OPF, Beaver Dam, WI) was in there with both barrels blazing, and 'twil be interesting to see how he shows in the out-of-state tally. He was strong as horseradish on 80 cw, but he makes his own band openings with his 80-meter beam.

Where was Indiana? Seems not many worked it...none of the three Yellow Thunder stations did. I didn't work it last year, either. That kept us in Missouri...which didn't find it way into many logs, either.

A big bouquet to the West Allis Radio Amateur Club right places. The contest QRM proves it. It was indeed fun, and we thank you for it!

A couple of final notes...I was hacking away on 80 cw from about 0020 to the end of the contest...doing good business and finding a new multiplier or two along the way. I wanted to chug along to the bitter end at 0100Z..but a K9??? just HAD to tell me - with two minutes to go - "No fair...contest over..." Took care of the 3 or 4 QSOs I might have has...ebbe even another multiplier. My clock was right on the button sure.

Anyway...only 11 1/2 months to go until the 1985 Wisconsin QSO Party. I'll be there, the Good Lord willing...and hope you will be, too!

Jim Romelfanger, K9ZZ

FANTASY ISLAND

From THE POST via Watts Snod

Many will be shocked to find
When the day of judgement nears
That there's a special place in heaven
Set aside for volunteers.

Furnished with big recliners,
Satin couches and foot stools;
Where there's no committee chairman
No group leaders or car pools.

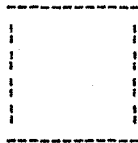
No eager team that needs a coach
No bazaar and no bake sale
There will be nothing to staple
Not one thing to fold or mail.

Telephone lists will be outlawed
But a finger-snap will bring
Cool drinks and gourmet dinners
And rare treats fit for a king.

You ask, Who'll serve these privileged few
And work for all they're worth?
Why, all those who reaped the benefits
And NOT ONCE volunteered on earth.

--Bruce R. Beaman

YOUR HEALTH



Hold this rectangle to your face and blow on it. If it turns green, call your physician. If it turns brown, see your dentist. If it turns purple, see your psychiatrist. If it turns red, see your banker. If it turns black, call your lawyer and make a will.

If it remains the same color, you are in good health, and there is no reason on earth why you should not be at the next club meeting.

Technical Tips
Ken Slate, W9ITW
From FOXTALES

High Power Zener Diode:

(1/2 or 1 watt) zener and insert a PNP transistor between the diode and the voltage source. The zener is connected from the PNP's base to ground. The collector is connected to ground and the emitter is connected to the place you normally would hook your zener into the circuit. This will make the PNP transistor act like a high power (10-15 watt) zener diode.

Reduce Lightning Damage:

1. Tie a big loop in your coax feedline before it (between the antenna and loop) to a good earth ground. The loop will act as a RF choke and force most of a strike to ground.

2. Tie several knots in the A.C. power cords to your equipment to prevent a major portion of a strike from entering your gear from "the back door". The knots appear as high impedance RF chokes in the line deterring large spikes.

NAS-I-GRAN!!!

Perhaps you have heard of me and my nationwide campaign in the cause of temperance. Each spring, for the past fourteen years I have toured the Eastern United States and have delivered a series of lectures on the evils of Amateur Radio.

I have been accompanied each year by my young friend Clyde Pasternak. Clyde, a young man of good family and educational background is a pathetic example of life ruined by excessive indulgence in DXing and wild contesting.

Clyde would appear with me at the lectures and sit on the platform staring at the audience through bloodshot eyes, sweating profusely, picking his nose, passing gas and making obscene gestures, whereupon I would point him out as an example of what overindulgence can do to a person.

Unfortunately, this past summer Clyde died. A mutual friend has given me your name and I wonder if you would be available to take Clyde's place on my 1984 Spring tour? I am in desperate need of your service and talent. Please contact me at 666-SKUM.

Signed -- ANONYMOUS

There was a young girl from St. Paul
Who wore a newspaper dress to a ball
The dress caught fire
And burned her entire
Front page, Sports page, and all.

Support your local chemist, buy chemical bonds.

All lasergrams must have your ZIP code.



HOW TO HANDLE A COMPLAINT

The Technical Coordinator's role is to encourage and help fellow Amateurs with their technical activities. Sometimes this work could include dealing with irate TVI-plagued neighbors, problem-riddled CATV-system operators, unsatisfied club members, or even a skirmish on-the-air. Handling complaints, in a way, is like receiving CW - it's a skill that takes practice to become proficient, yet keep in mind that even experts get bogged down if the going gets too rough.

Here's a few tips for handling complaints:

1. Treat every complaint as serious.
2. Keep calm, most complaints aren't directed at you.
3. Listen closely, get the whole story and all the facts and carefully repeat the complaint in your own words to show that you are listening and on the track.
4. Clearly define the problem, find out if it is the real reason.
5. Avoid taking sides, ask what solution is satisfactory, encourage the other person to make a decision.
6. Ask as few question as possible.
7. Give general, not specific, answers.
8. Tell the person it's good the complaint was mentioned.

As a simple example, one Amateur complained about the lack of construction articles for 1296 MHz transmitters. "How are we going to use the new 1296 MHz satellite uplink when factory built transceivers are so expensive?" he exclaimed. His frustration is caused by a dilemma between enthusiasm to operate 1296 MHz and inability to afford new equipment. In this case, after going through the complaint handling steps, I wrote to ARRL Headquarters for a solution. No feelings were hurt, instead the complainer developed a positive viewpoint when given hope of a workable solution.

In our bumpy journey through life we encounter many exasperating situations when our only choices are to love them, leave them, try to change them, or complain. If you find someone complaining, you can easily escape criticism by doing nothing, saying nothing, and being nothing. But instead, go ahead and take a chance, lend an ear and handle a complaint. By offering someone personal attention, without playing favorites, you may give a complainer a chance to improve - you could gain a friend.

Richard Regent, K9GDF
Technical Coordinator
5003 South 26th Street
Milwaukee, WI 53221

GUESS WHAT

From North Hills Radio Club, Sacramento, CA
via The ARNS Bulletin

A substantial reward is offered for information leading to the running to earth of Eddy Current and Elec Tricity. Charged with Induction of an eighteen year old Coil called Milli-Henry, found half-Choked and with the theft of valuable Joules. Both Unrectified Criminals, armed with Carbon Rods, they escaped from a Weston Primary Cell where they had been held in Ions.

The escape was planned in Three Phases. First they Fused the Electrolytes, then they climbed through a Grid despite the Impedance of two Poles and ran to a Magnetic Field. They have been missing since Faraday. Watt seems probable is that they stole an A.C. Motor parked on the Wheatstone Bridge and drove off through a narrow Band Pass. This motor is of low Capacity and it is likely they may try to change it to a big 500 kW Megacycle returning Ohm by a short circuit. They may offer serious Resistance and are potential Killers. Great care must be taken in the way they are handled.

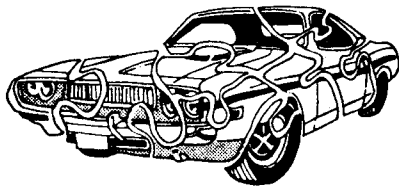
GUILT-STRICKEN TELEPHONE COMPANIES ELIMINATE CHARGES

From The GEARVAKf Bulletin

AT&T, former parent company to all the telephone systems in the world, announced two weeks ago that, as a result of the breakup of its monopoly, local newly-independent telephone companies could cease charging their customers. AT&T spokesman, Jose Gritando, said that since his company had been overcharging home customers for at least 75 years, the local companies could "sure as hell afford to give their customers a break, now that they have all the dough." Gritando's statement was challenged by a spokesperson for the several Bell Telephone companies (including Central Coastal Ringer Corp.), Mr. Hershel Torpedo. Said Mr. Torpedo, "We ain't gonna quit charging nobody! We gonna raise rates 180 percent or more, and that's final." Telephone service to GEARVAKf Headquarters was inexplicably cut off last thursday.

That is it for this month. We hope that you have enjoyed this issue as much as we have enjoyed preparing it for you. If there is anything additional or different that you would like to see in BSSS please let us know and we will try to accommodate your desires.

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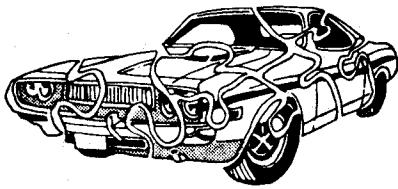
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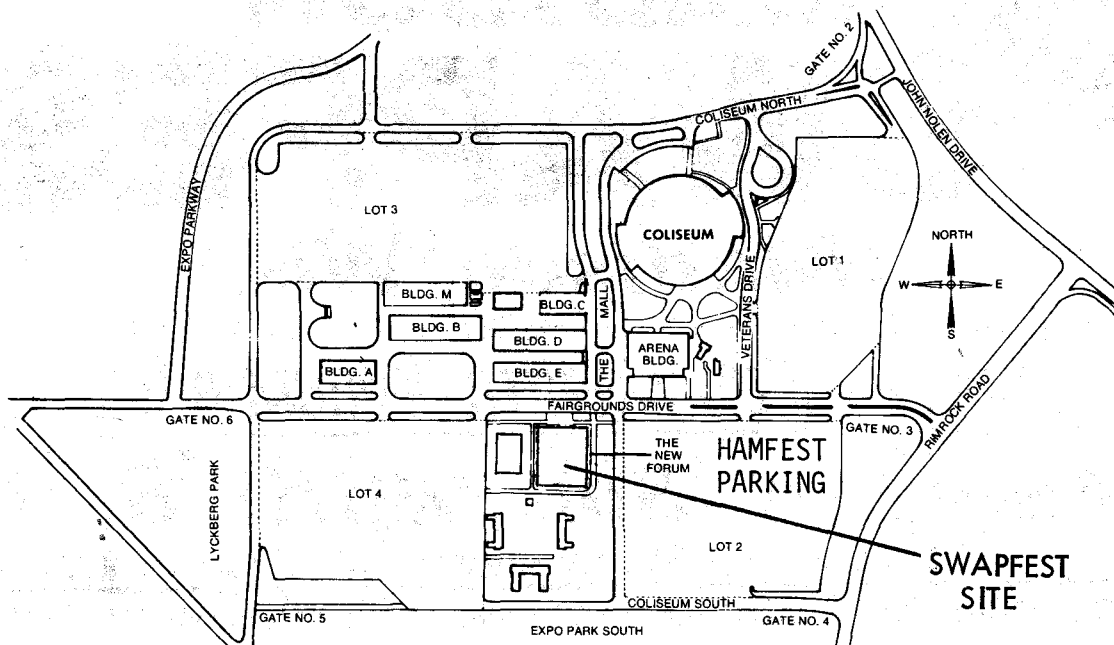
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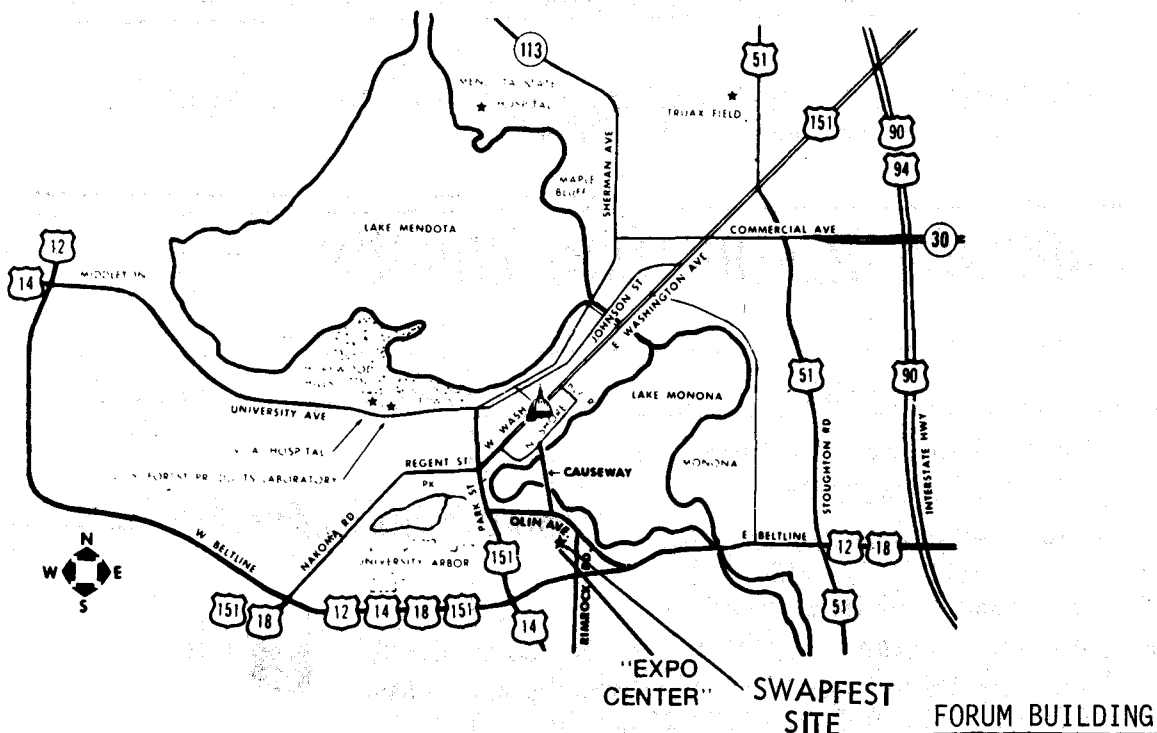
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For Location of Hamfest - See Other Side

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Dear Fellow Radio Amateur:

Subscriptions to Badger State Smoke Signals are now available to one and all. The paper will carry current Amateur Radio news, news about YTARC, WNA, ARRL and other clubs and groups in Wisconsin as well. You will be kept apprised of what is happening in our hobby - locally, regionally, nationally and around the world. Among the many features will be Sentence Sermons, member birthdays, swapfest calendar, ARRL section news, humor and excellent feature articles by well-known Amateurs in Wisconsin and elsewhere. Reports will be included from ARRL Bulletins, ARRL Newsletters, and Westlink Reports, along with items of interest from exchange newsletters and the ARNS.

Regular individual subscription rates:

1 year	-	\$6.00 (12 issues)
2 years	-	\$11.50 (24 issues)
3 years	-	\$17.00 (36 issues)

If you wish to subscribe, please use the form below. Make checks or money orders payable to Badger State Smoke Signals. Send this form to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, Wis. 53913.

In addition to the above rate, a special reduced rate is available to clubs having 10 or more subscriptions per year at a rate of \$4.50 each.

Clubs wishing to participate in Badger State Smoke Signals with a column devoted to their club can receive a lower rate. Mailings must be made to the entire club membership and your club would receive a 15 percent additional complimentary mailings. (There are presently over 75 complimentary and exchange addresses on the mailing list in addition to the present subscribers.)

Less than 50 members	\$3.60 per year
Over 50 members	\$3.00 per year

Badger State Smoke Signals would be happy to serve your members as the official journal for your club.

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Jim: Enclosed is my check/money order for \$ _____. Please enter

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--author unknown

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